

What is claimed is:

1. In combination with a storage compartment, a security system for preventing unauthorized access to the storage compartment wherein the compartment has an entryway for allowing access to a compartment interior, and a pair of doors hinged on outer opposing edges for closing said entryway and preventing access to said compartment interior, said security system comprising:

a latch assembly carried by said doors for latching said doors in a closed position with said storage compartment;

said latch assembly being disposed entirely on an interior side of said doors within said compartment interior;

said latch assembly having an engaged position to latch said doors in said closed position in which said entryway is closed, and a disengaged position wherein said doors may be opened to provide access to said compartment interior;

at least one reciprocating latch element carried by each of said doors substantially adjacent inner opposed edges and included in said latch assembly for latching said doors with said storage compartment when said latch assembly is in said engaged position, and a receiving member for receiving each said reciprocating latch element so that said reciprocating latch elements and receiving members latch said doors in the closed position;

a latch actuator carried by a first of said doors included in said latch assembly for moving said reciprocating latch elements between said engaged and disengaged positions;

an insertable operator engageable with said latch actuator for operating said

latch actuator through said first of said doors;

a master lock assembly operatively connected to said latch assembly on said interior side for controlling whether said latch actuator may be operated;

said master lock assembly mounted within said compartment having a locked position locking a first locking part together with a second locking part carried by said latch assembly locking said latch assembly in said engaged position, and an unlocked position releasing said latch assembly for movement to said disengaged position;

a tamper-resistant master lock control located outside said storage compartment having an active condition and an inactive condition for controlling said master lock assembly between said locked and unlocked positions from outside said compartment;

whereby access to said compartment interior is prevented when said latch elements are in said engaged position and said master lock assembly is in said locked position.

2. The security system of claim 1 wherein said latch actuator includes a rotary hub carried by the interior side of said first of said first of said doors; and a plurality of reciprocating latch elements pivotally connected to said rotary hub said operator being connectable to said rotary hub from outside said compartment and operable to rotate said hub inside said compartment; said latch elements being connected with said hub so that upon rotation of said hub said latch elements are moved between said engaged and disengaged positions.

3. The security system of claim 1 wherein a first of said latch elements comprises a rod connected to said latch actuator at a first end; said rod having a second remote end for being received by said receiving member when said latch actuator is

operated.

4. The security system of claim 3 wherein said rod includes an adjustable connector; for varying its effective length.

5. The security system of claim 1 wherein each of said doors carry a plurality of said reciprocating latch elements connected to said latch actuator; said plurality of latch elements include a pair of vertical reciprocating latch elements for latching each of said doors to top and bottom portions of said storage compartment, and at least one horizontal reciprocating latch element.

6. The security system of claim 5 including a securing bracket carried by a second of said doors; said securing bracket receiving said horizontal latch element so that when said latch assembly is in said engaged position, said latch element is engaged with said securing bracket.

7. The security system of claim 1 wherein said latch actuator is a rack and pinion mechanism carried by a first of said doors said operator engaging and rotating said pinion which converts the rotary movement of said pinion into linear movement of said rack wherein when said pinion is rotated at least one of said latch elements is reciprocated between said engaged and disengaged positions.

8. The security system of claim 7 including a plurality of reciprocating racks meshing with said pinion; said racks being connected to a plurality of latch elements for reciprocal movement.

9. The security system of claim 1 wherein said first locking part is a deadbolt operated by said master lock assembly; and said second locking part is a notch in said latch actuator; said deadbolt being received by said notch to prevent said latch actuator

from moving when said master lock is in said locked position.

10. The security system of claim 1 including a master lock actuator manually operable through said first of said doors for controlling said first locking part to position said master lock assembly between said locked and unlocked positions.

11. The security system of claim 1 wherein said tamper-resistant master lock control includes a combination keypad which sets said tamper-resistant master lock control in said activated condition when the correct combination is entered on said combination keypad.

12. The security system of claim 1 wherein said master lock assembly includes a solenoid mounted on said interior side of said door; said solenoid including a solenoid arm connected to said first locking part that is extended and retracted by said solenoid to move said first locking part between said locked and unlocked positions, respectively.

13. The security system of claim 12 wherein said tamper-resistant master lock control is operatively associated with said solenoid; and said tamper-resistant master lock control having an activated condition wherein said solenoid arm moves to said retracted position.

14. The security system of claim 13 wherein said tamper-resistant master lock control includes an electronic remote control operated from outside said storage compartment; said remote control setting said activated condition for activating said solenoid so that said solenoid arm moves said first locking part to said unlocked position.

15. The security system of claim 14 including a solenoid control for controlling activation of said solenoid which includes a microprocessor in electronic communication with said remote control; said microprocessor receiving an activation code to provide said activated condition from said remote control and activate said solenoid to move said first locking part to said unlocked position.

16. The security system of claim 13 wherein said tamper-resistant master lock control includes an electronic keypad carried by said operator; said electronic keypad setting said activated condition for activating said solenoid so that said solenoid arm moves said first locking part to said unlocked position.

17. The security system of claim 16 including a solenoid control for controlling activation of said solenoid which includes a microprocessor in electronic communication with said electronic keypad; said microprocessor receiving an activation code to provide said activated condition from said electronic keypad and activate said solenoid to move said first locking part to said unlocked position.

18. The security system of claim 1 wherein said master lock assembly includes a stop for preventing movement of said first locking part to said unlocked position by said master lock actuator.

19. The security system of claim 18 including a solenoid mounted on said interior side of said door operatively associated with said stop; said solenoid including a solenoid arm and a connector linkage connecting said arm to said stop; said arm being retracted by said solenoid to move said stop to allow movement of said first locking part to said unlocked position.

20. The security system of claim 19 wherein said tamper-resistant master lock control is operatively associated with said solenoid; and said tamper-resistant master lock control having an activated condition wherein said solenoid arm is retracted.

21. The security system of claim 20 wherein said tamper-resistant master lock control is an electronic remote control operated from outside said storage compartment; said remote control setting said activated condition for activating said solenoid so that said solenoid arm retracts and moves said stop.

22. The security system of claim 18 wherein said tamper-resistant master lock control is operatively associated with said stop; and said tamper-resistant master lock control having an activated condition wherein said control may be operated to move said stop to allow movement of said first locking part to said unlocked position.

23. The security system of claim 22 wherein said tamper-resistant master lock control is a combination lock operated from outside said storage compartment; said combination lock connecting to said stop so that entering the correct combination sets said activated condition and frees the combination lock to move said stop to allow movement of said first locking part to said unlocked position.

24. The security system of claim 1 wherein said latching assembly includes a primary latching assembly carried by said first of said doors and a secondary latching assembly carried on a second of said door; a horizontal reciprocating latch element included in said primary latch assembly for actuating said secondary latching assembly; and said secondary latching assembly includes a pair of said reciprocating rods and said receiving members, said secondary latch assembly being actuated by said horizontal latch element of said primary latch assembly.

25. In combination with a storage compartment having an interior, an entranceway and at least one door movable between an open and a closed position, a security system for preventing unauthorized access into said interior of the storage compartment, said security system comprising:

a primary latch assembly carried by said door for latching said door in said closed position with said storage compartment;

said primary latch assembly being disposed entirely on an interior side of said door;

a latch actuator included in said latch assembly for moving said latch assembly between an engaged position latching the door in the closed position, and a disengaged position wherein the door may be moved to said open position;

a plurality of latch elements connected to said latch actuator said latch elements being operative to latch said door with said storage compartment when said primary latch assembly is in said engaged position;

receiving members carried by said storage compartment for receiving said latch elements when said door is in the closed position;

a master lock assembly carried by said door associated with said primary latch assembly and having a locked position in which movement of said primary latch assembly to said disengaged position is prevented, and an unlocked position in which said primary latch assembly may be moved to said disengaged position;

a removable operator adapted to pass from outside said compartment through an opening in said door into engagement with said latch actuator, said operator being operative to rotate said latch actuator when said master lock assembly is in said

disengaged position for moving said latch actuator between said engaged and disengaged positions;

a removable cover covering said opening protecting said latch actuator from tampering when said operator is not in use;

said master lock assembly including a first locking part interlocking with a second locking part carried by said primary latch assembly to provide said locked and unlocked positions;

a master lock actuator manually operable from outside said compartment for moving said first locking part to position said master lock assembly between said locked and unlocked positions;

whereby access to said compartment interior is prevented when said latch assembly is in said engaged position and said master lock assembly is in said locked position.

26. The security system of claim 25 wherein said master lock assembly is disposed entirely on said interior side of said door within said compartment interior to prevent destruction of said master lock assembly from outside said compartment.

27. The security system of claim 25 including a tamper-resistant master lock control for controlling said master lock actuator from outside said storage compartment; and said tamper-resistant master lock control having an activated condition wherein said master lock actuator may be operated.

28. The security system of claim 25 wherein said tamper-resistant master lock control includes a combination keypad which sets said tamper-resistant master lock

control in said activated condition when the correct combination is entered on said combination keypad.

29. The security system of claim 25 wherein said master lock assembly includes a solenoid mounted on said interior side of said door; said solenoid including a solenoid arm connected to said first locking part that is extended and retracted by said solenoid to move said first locking part between said locked and unlocked positions, respectively.

30. The security system of claim 29 including a tamper-resistant master lock control operatively associated with said solenoid; and said tamper-resistant master lock control having an activated condition wherein said solenoid arm moves to said retracted position.

31. The security system of claim 30 wherein said tamper-resistant master lock control includes an electronic remote control operated from outside said storage compartment; said remote control setting said activated condition for activating said solenoid so that said solenoid arm moves said first locking part to said unlocked position.

32. The security system of claim 31 including a solenoid control for controlling activation of said solenoid which includes a microprocessor in electronic communication with said remote control; said microprocessor receiving an activation code to provide said activated condition from said remote control and activate said solenoid to move said first locking part to said unlocked position.

33. The security system of claim 30 wherein said tamper-resistant master lock control includes an electronic keypad carried by said operator; said electronic keypad

setting said activated condition for activating said solenoid so that said solenoid arm moves said first locking part to said unlocked position.

34. The security system of claim 33 including a solenoid control for controlling activation of said solenoid which includes a microprocessor in electronic communication with said electronic keypad; said microprocessor receiving an activation code to provide said activated condition from said electronic keypad and activate said solenoid to move said first locking part to said unlocked position.

35. A security system for a container having a pair of doors pivotal along opposed side edges with container walls for opening and closing an open end of said container.

said security system having a locked condition and an unlocked condition and including at least a pair of longitudinally moving latch elements adjacent inner side edges of said doors;

a latch assembly having first and second latch assemblies controlling movement of said latch elements between extended locking positions and retracted unlocked positions;

a latch actuator carried by said first latch assembly including a rotating drive for moving first ones of said latching elements between said extended and withdrawn positions;

a keyed hole in said rotating drive adapted to receive an operator member said operator member being adapted when in said inserted position to rotate said latch actuator moving said latching elements between said extended and retracted positions;

a master lock assembly including a reciprocal locking port, said reciprocal locking

part being operative to reciprocate into a locking position with said latch actuator locking said latch actuator in a stationary position and to reciprocate into an unlocked position freeing said latch actuator for movement;

a master lock actuator for moving said reciprocating locking part between said locking and unlocked positions; whereby,

said security system may only be actuated from said locked condition into said unlocked condition by actuating said master lock actuator to move said master lock into said unlocked position, by inserting said operator member into said keyed hole and rotating said latch actuator causing said first and second latching assemblies to move said latching elements from said extended position to said retracted position.

36. The security system of claim 35 wherein said master lock actuator includes a key operative operable with said master lock assembly to move said reciprocating locking part said locking and unlocked positions.

37. The security system of claim 35 wherein said master lock actuator includes a solenoid; said solenoid being operative to move said reciprocating locking part between said locking and unlocked position.

38. The security system of claim 35 wherein said reciprocating locking part engages with a reciprocating element of said latch actuator.

39. The security system of claim 35 wherein said reciprocating locking part engages with a rotating element of said latch actuator.

40. The security system of claim 35 including a combination key pad lock operatively associated with said master lock assembly, said key pad controlling said master lock assembly between an operative and an inoperative condition.